Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/17/2020 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124454	-1	2.46	124624	2.37
Blue	F	SSC	125000	123989	-1	1.68	124793	1.59
Blue	E	FITC	16433	16076	-3	2.77	350	19.93
Blue	D	PE	27595	27185	-2	1.89	594	14.68
Blue	B	PerCP-Cy5-5	43183	43200	0	3.64	1152	20.45
Blue	A	PE-Cy7	31943	32445	1	5.96	622	41.36
Red	C	APC	42819	42174	-2	2.40	1488	11.95
Red	A	APC-Cy7	31261	30080	-4	2.38	795	11.73
Violet	B	V450	6527	6379	-3	4.14	359	12.93
Violet	A	V500	24533	23835	-3	3.90	558	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17696	13.29	618	18	N/A	N/A	Pass
Blue	F	SSC	56413	1.18	560	12	N/A	N/A	Pass
Blue	E	FITC	64	64.02	544	5	0.0207	157	Pass
Blue	D	PE	123	49.42	541	7	0.1604	257	Pass
Blue	B	PerCP-Cy5-5	213	49.08	656	14	0.0089	29	Pass
Blue	A	PE-Cy7	113	102.05	705	16	0.0104	11	Pass
Red	C	APC	353	25.87	582	-1	0.0261	257	Pass
Red	A	APC-Cy7	175	29.05	561	-2	0.0060	1371	Pass
Violet	B	V450	55	57.22	451	-4	0.0511	1906	Pass
Violet	A	V500	84	31.03	462	-5	0.0239	512	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.54	-32.08	0.98
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.47
Red	15.43	13.60 - 20.40	N/A	N/A	29.77	30.17	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10221

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments